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March 25, 1991

Bruce Woods, Ph.D.  
Quality Assurance Office  
U.S. Environmental Protection Agency  
1200 Sixth Avenue  
Seattle, WA 98101

RE: Contract No. 68-W9-0009, Work Assignment No. 112R10047, Quality Assurance  
Project Plan (QAPjP) Revision, Ridgefield Brick and Tile

Dear Dr. Woods:

PRC Environmental Management, Inc., (PRC) is submitting revised data quality objectives for analytical methods for the Ridgefield Brick and Tile (RBT) Operations and Maintenance inspection (O&M) (refer to revised Table 3-1, attached). The original RBT QAPjP was submitted on March 11, 1991 and approved by an EPA Memorandum from Bruce Woods to Marcia Bailey dated March 15, 1991. The QAPjP specified certain analytical methods for several parameters (including volatile organic compounds, polynuclear aromatic hydrocarbons, chlorophenols, total arsenic and chromium, and dissolved arsenic and chromium) using Contract Laboratory Program (CLP) Routine Analytical Services (RAS) and Special Analytical Services (SAS).

PRC was informed by the EPA Quality Assurance Office that due to the short time between the QAPjP submittal (March 11) and the scheduled field activity (March 27 and 28) that the CLP SAS requests could not be accommodated. However, the EPA Quality Assurance Office and the EPA Manchester laboratory have since agreed that the laboratory can accept and analyze all RBT ground-water samples for all parameters using alternate analytical methods instead of CLP RAS and SAS methods. I have discussed the suitability of these alternate analytical methods (as listed in revised Table 3-1) with Joe Blazeovich of the EPA Manchester laboratory. The EPA Manchester laboratory has specified that the validated RBT O&M analytical data will be delivered to PRC under no guaranteed turnaround time.

If you have any questions, please call me at (206) 624-2692.

Sincerely,



Gary A. Bruno  
Environmental Geologist

Enclosure

cc: Marcia Bailey, EPA Region 10, Seattle



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REVISED TABLE 3-1  
DATA QUALITY OBJECTIVES FOR THE RPT O&M

Parameters	Method Detection Limit (µg/L)	Precision (Relative Percent Difference)	Accuracy (Percent Spike Recovery)	Completeness	Analytical Methods
VOC	Per Method	±20	75 - 125	80	SW-846 Method <sup>(a)</sup> Modified 8260 [GC/MS-SIM] <sup>(b)</sup>
PAH	Per Method	±20	70 - 130	80	GC/MS-SIM <sup>(b)</sup>
Chlorophenols	Per Method	±20	70 - 130	80	GC/MS-SIM <sup>(b)</sup>
Total Arsenic & Chromium	1.0	±20	90 - 110	80	EPA Method <sup>(c)</sup> (218.2 Chromium) (206.2 Arsenic)
Dissolved Arsenic & Chromium	1.0	±20	90 - 110	80	EPA Method <sup>(c)</sup> (218.2 Chromium) (206.2 Arsenic)

<sup>a</sup> EPA, 1986a

<sup>b</sup> To be analyzed by EPA Manchester laboratory by gas chromatograph/mass spectrometer (GC/MS) using the Selected Ion Monitoring mode (SIM)

<sup>c</sup> EPA, 1983

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